



5 KWh Home Energy Storage System (HESS)



What Are Home-Type Batteries?

Home batteries are a type of battery commonly used in energy storage systems and are designed to meet the electricity needs of households. These batteries play a crucial role in enabling the more efficient use of renewable energy sources. By storing energy generated from sources like solar panels or wind turbines, they make this energy available for use at any time of the day. Additionally, they provide uninterrupted power during outages, enhancing comfort and safety. Home batteries also help reduce energy costs and contribute significantly to more environmentally friendly energy consumption. In terms of energy efficiency and sustainability, home batteries have become an indispensable part of modern life.

Home-Type Batteries for Power Storage Solutions

Uninterrupted Power Supply: Home batteries provide uninterrupted energy to households during power outages, enhancing comfort and convenience. This feature is particularly advantageous in areas where power outages are frequent.

Reducing Energy Costs: Batteries operate independently of the power grid, helping users lower their energy bills. Excess solar energy produced during the day can be stored and used during nighttime hours.

Home batteries are an excellent choice for users looking to enhance energy efficiency, reduce costs, and protect the environment. As an integral part of modern energy systems, these solutions represent a significant step toward a sustainable future.

Yiğit Battery's Solutions

Yiğit Battery provides high-performance, reliable, and environmentally friendly solutions in the field of container-type batteries, backed by extensive expertise and experience. Our products are manufactured according to international quality standards and are equipped with continuously evolving technology. Each of our home-type energy batteries is designed to deliver reliable performance and advanced monitoring systems. Yiğit Battery is an innovative and powerful brand that has proven itself in the global market. By exporting to more than 100 countries across five continents, we offer energy storage solutions worldwide. With our home-type energy batteries, we are here to help our customers streamline their energy management, contribute to sustainability goals, and provide an uninterrupted power supply.

Applications



Renewable Energy Storage

- Helps maintain a stable and reliable power supply by storing energy obtained from renewable sources like solar.



Grid Backup Power

- Serves as a backup during power outages, meeting the energy needs of critical infrastructures such as hospitals and data centers.



Power Quality

- Powers critical facilities, if the grid happens to go down.



Smart Home Energy Management

- Home batteries can be integrated with smart home systems to optimize energy consumption.

PARAMETERS

GF-5KWh-005

Cell Type / Ah	LFP-100
Configuration	1P16S
Battery Capacity / kWh	5.12
Battery Voltage Range / V	40-58.4
Nominal Charge-Discharge Ratio	0.5 C
Max Charge - Discharge Ratio	1C
Maximum Current	100A
Size / mm	700 x 490 x 157
Weight / kg	55
Protection Class	IP20
Operating Temperature Range	Charge: 0 ~ 55 °C Discharge: -20 ~ 55 °C
Cooling Concept	Nature cooling
Communication Type	CAN/RS485/RS232
Standard Color	Black
Display	3.5" LCD
Charge and Discharge Terminals	Quick Plug Terminals or Barrier Terminals
Max Parallel Connections	15PCS
Intermodulated Inverters	GROWATT, GOODWE, PCHNE, SRNE, VICTRON, VOLTRONIC, DEYE MEGAREVO, SMA, KSTAR, GINLONG, SOLIS, SOFAR, SACOLAR, INVT SCHNEIDER, SOLAX, KELONG
Compatibility	UN38.3 /MSDS/ROHS Cell: CE, ROHS, IEC62613,IL1642, UL1973, UL9540A



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